

ABSTRACT OF DISCLOSURE:

1 A method and apparatus for communications resource
2 allocation in a wireless communications system having a
3 total system bandwidth. A service area is divided into
4 a plurality sectors. A first set of base station
5 antennas are positioned within a first set of sectors.
6 The first set of antennas have main beams set at a first
7 set of angles, and each antenna corresponds to a sector
8 within the first set of sectors. A second set of base
9 station antennas are positioned within a second set of
10 sectors adjacent to the first set of sectors. The
11 second set of antennas have main beams set at a second
12 set of angles, and each antenna corresponds to a sector
13 within the second set of sectors. Each sector is
14 assigned a portion of the total system bandwidth.